

Fig. 1

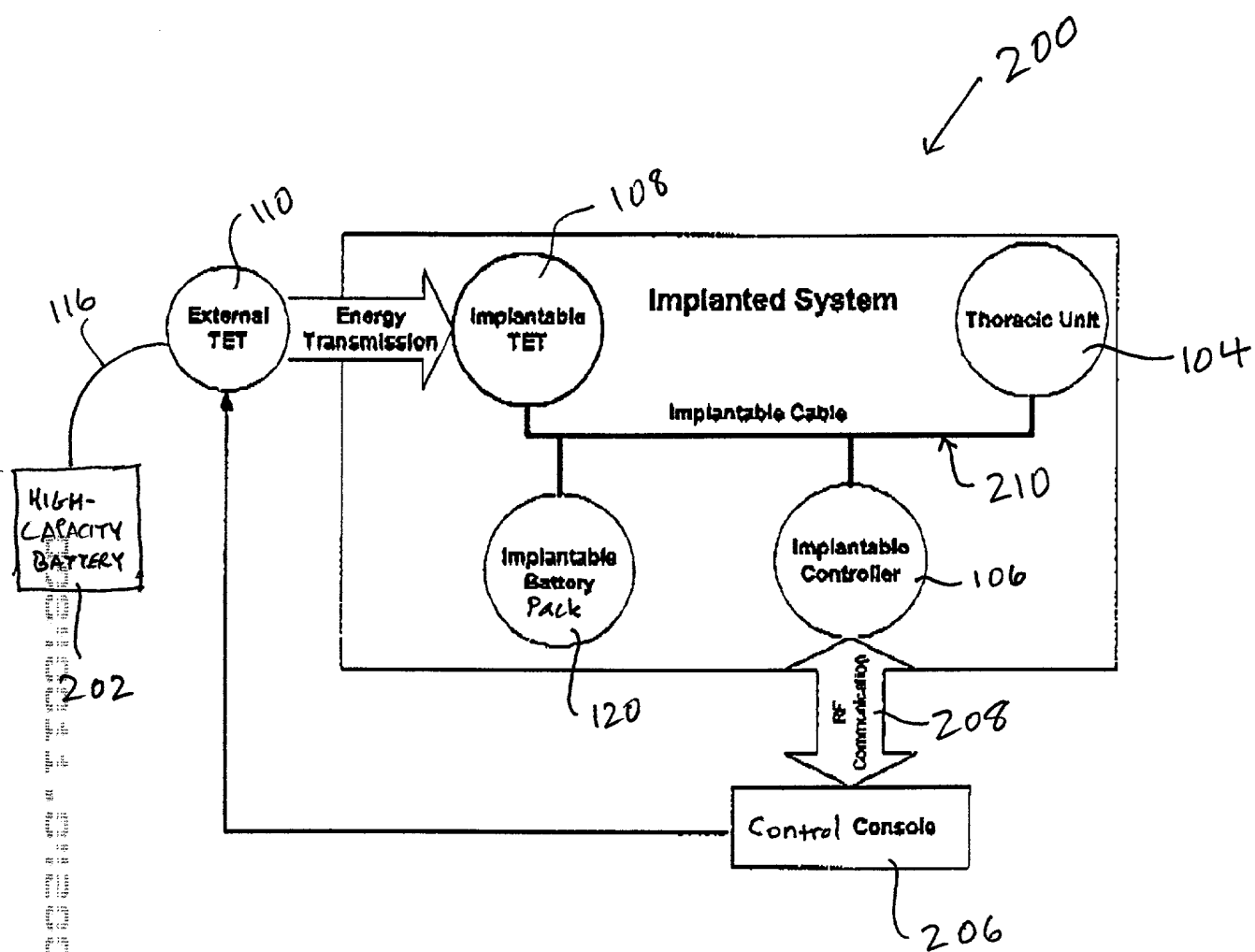


Fig. 2

Figure 3 is a block diagram of a battery management system 300. The system includes a battery 302, a cell balancing circuit 306, a charging unit 312, a monitor 314, and a power supply 318. The battery 302 is connected to the cell balancing circuit 306. The cell balancing circuit 306 is connected to the charging unit 312. The charging unit 312 is connected to the monitor 314. The monitor 314 is connected to the power supply 318. The power supply 318 is connected to the battery 302. The system also includes a sense circuit 316 and a sense resistor 318. The sense circuit 316 is connected to the charging unit 312. The sense resistor 318 is connected to the sense circuit 316. The sense circuit 316 is connected to the monitor 314. The monitor 314 is connected to the power supply 318. The power supply 318 is connected to the battery 302. The system also includes a line current input 460. The line current input 460 is connected to the power supply 318. The power supply 318 is connected to the battery 302. The system also includes a ground connection 320. The ground connection 320 is connected to the battery 302. The battery 302 is connected to the cell balancing circuit 306. The cell balancing circuit 306 is connected to the charging unit 312. The charging unit 312 is connected to the monitor 314. The monitor 314 is connected to the power supply 318. The power supply 318 is connected to the battery 302. The system also includes a sense circuit 316 and a sense resistor 318. The sense circuit 316 is connected to the charging unit 312. The sense resistor 318 is connected to the sense circuit 316. The sense circuit 316 is connected to the monitor 314. The monitor 314 is connected to the power supply 318. The power supply 318 is connected to the battery 302. The system also includes a line current input 460. The line current input 460 is connected to the power supply 318. The power supply 318 is connected to the battery 302. The system also includes a ground connection 320. The ground connection 320 is connected to the battery 302.

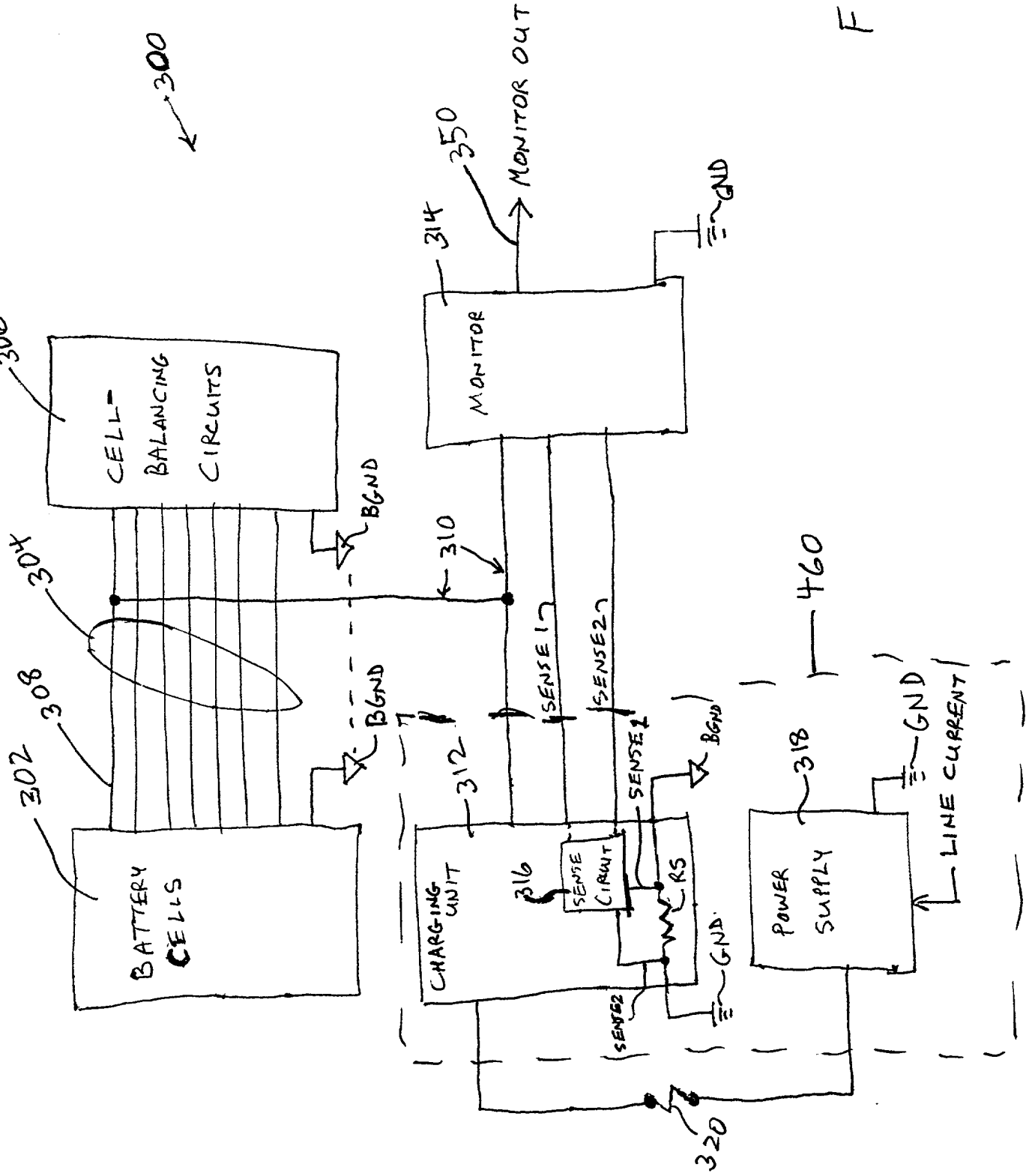


Fig. 3

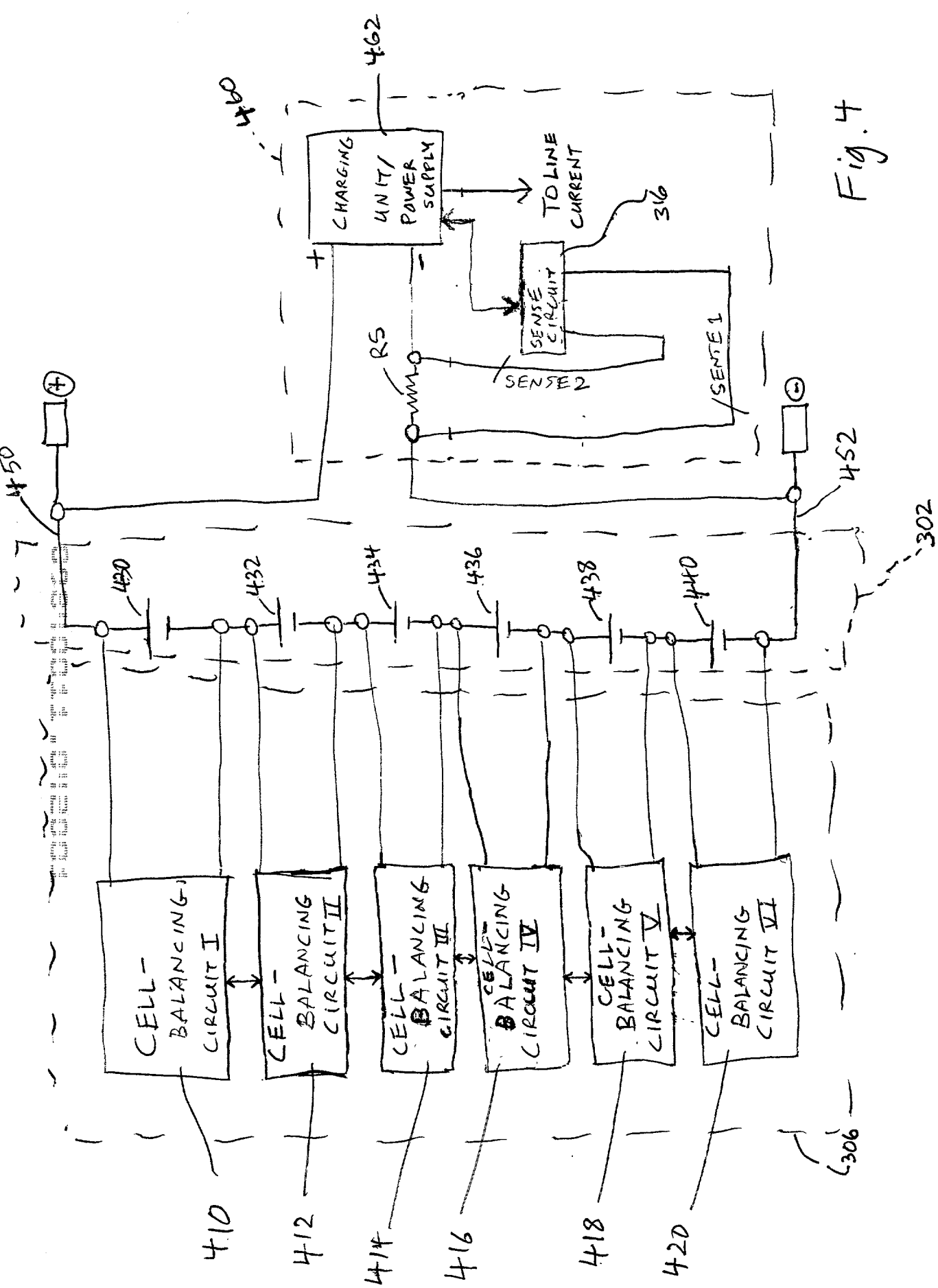


FIG. 5

FROM PREVIOUS CELL / TERMINAL

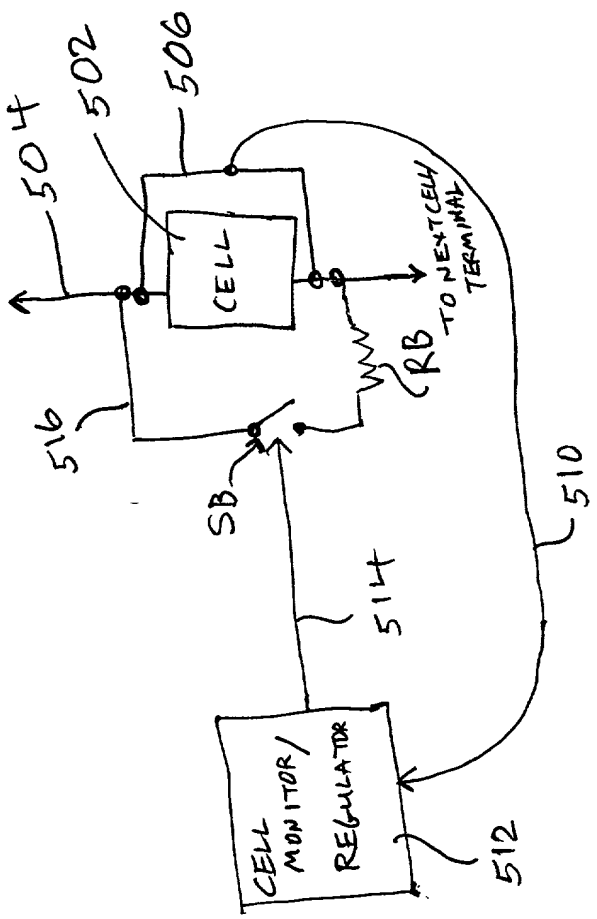


Fig. 5

FROM PREVIOUS CELL/TERMINAL

602 ← 600

TO NEXT CELL/TERMINAL

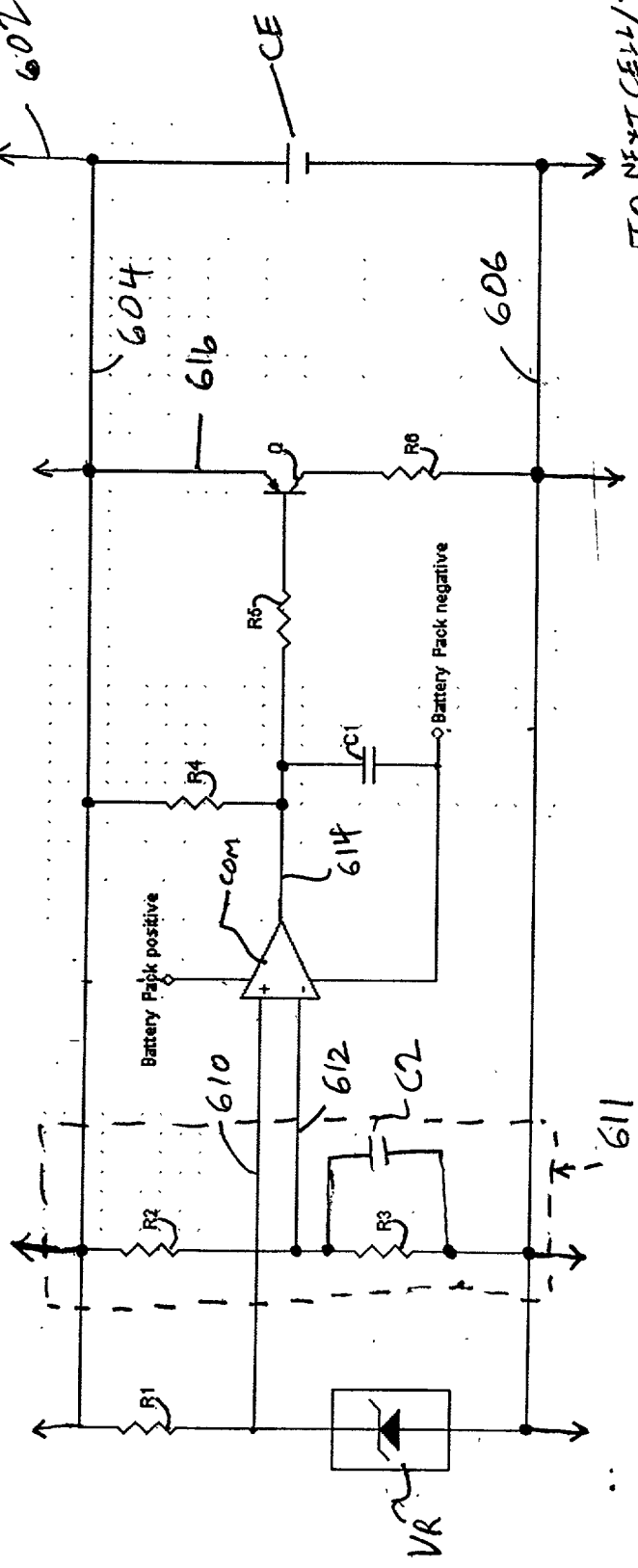


Fig. 6



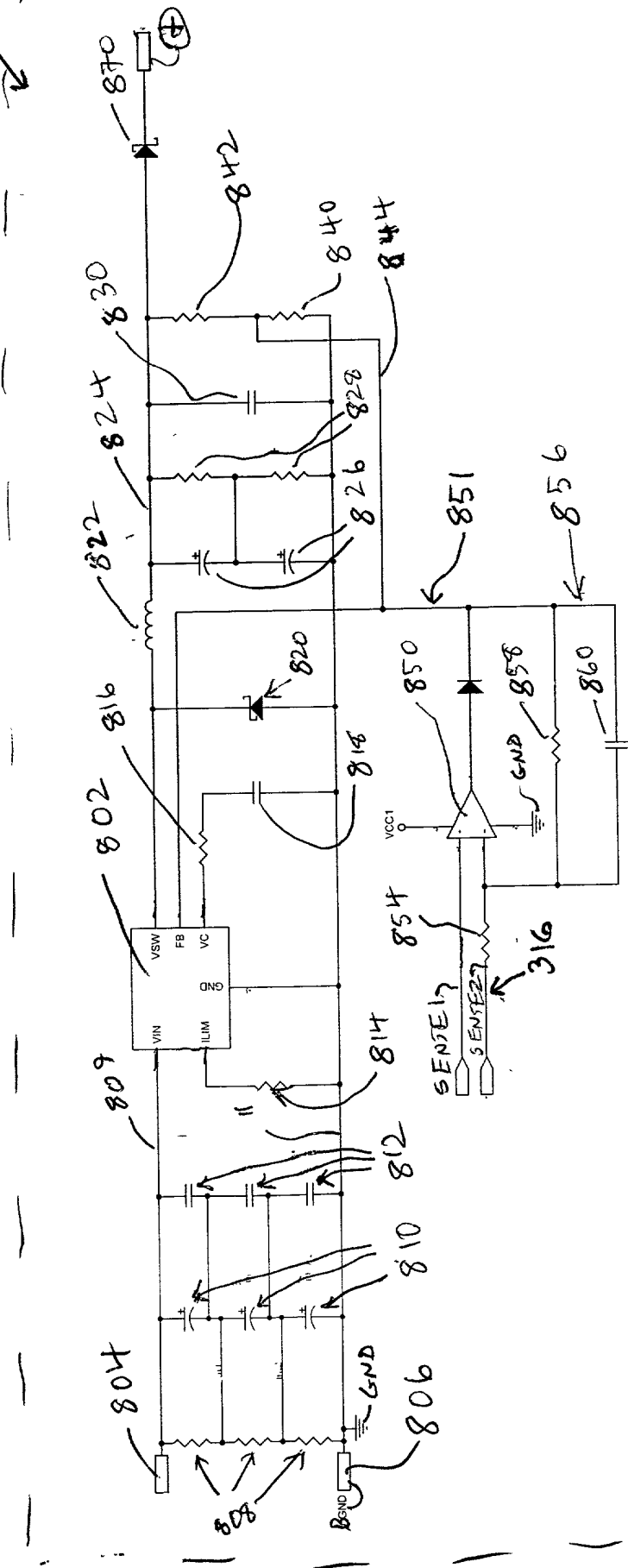


Fig. 8